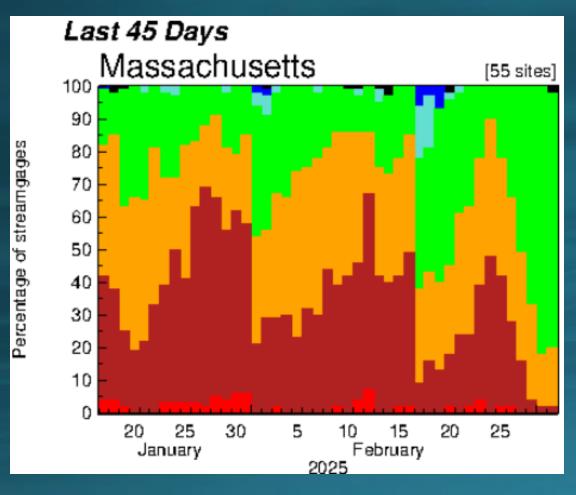
Streamflow and Groundwater Conditions in Massachusetts

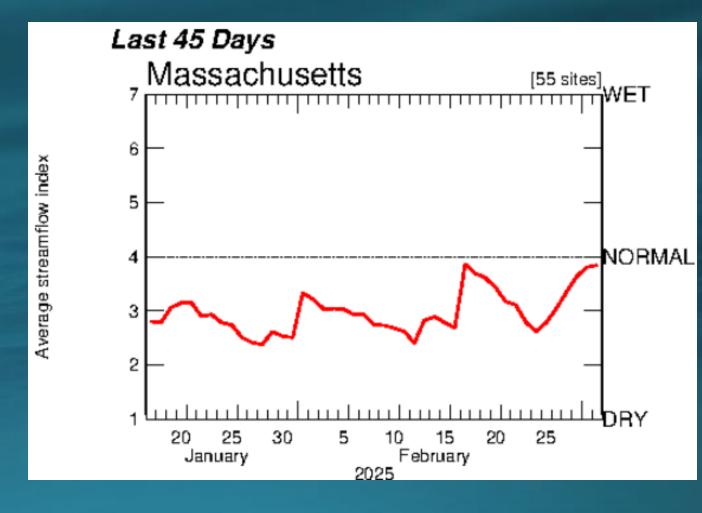
March 6, 2025

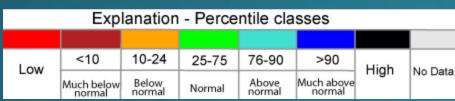
U.S. Geological Survey
New England Water Science Center
Gardner Bent



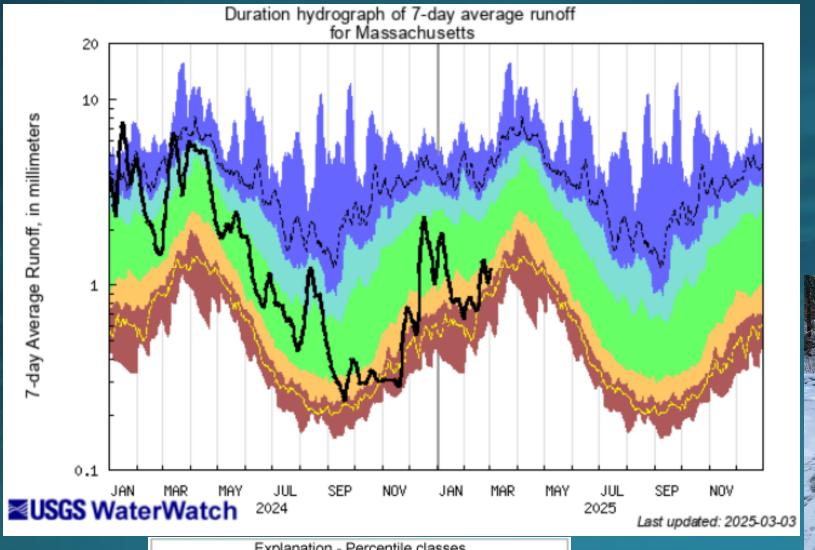
Streamflow Conditions – last 45 days







Streamflow Conditions – 7-Day Moving Average



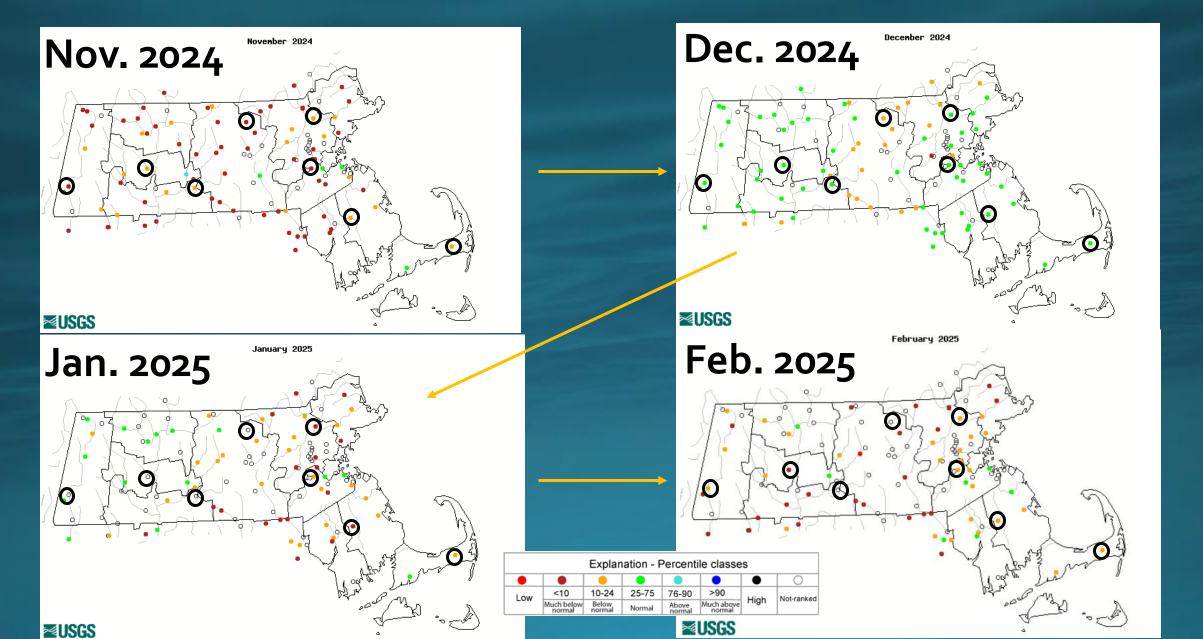






Explanation - Percentile classes							
							_
lowest- 10th percentile	5	10-24	25-75	76-90	95	90th percentile -highest	Runoff
Much below Normal		Below normal	Normal	Above normal	Much above normal		

Streamflow Conditions – Monthly Average

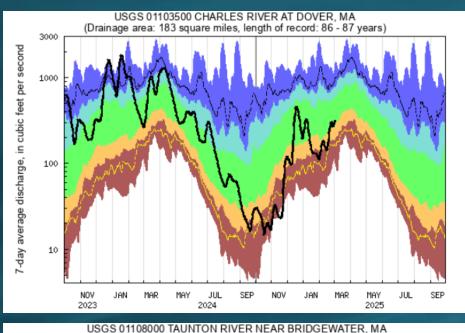


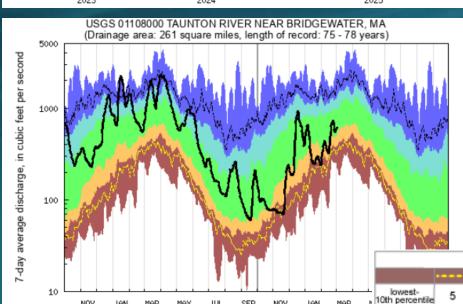
SW Conditions – 7-Day Moving Average

76-90

Above

25-75

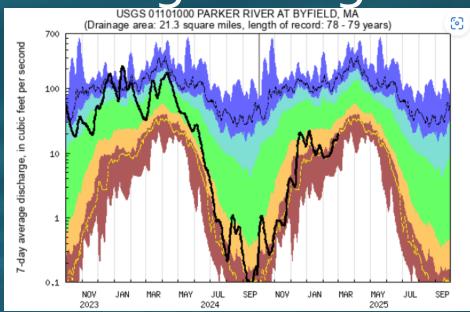


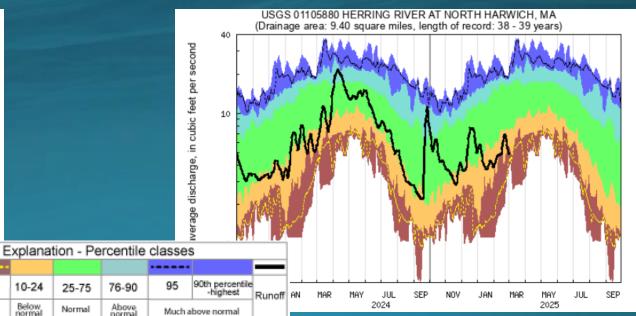


JUL

JAN

Much below Normal





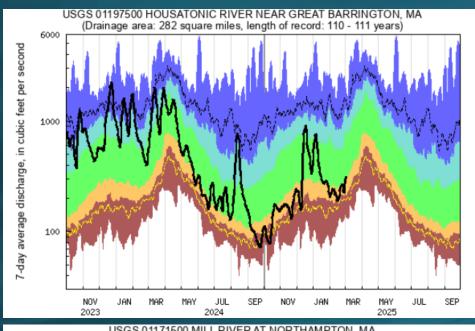
SW Conditions 7-Day Average

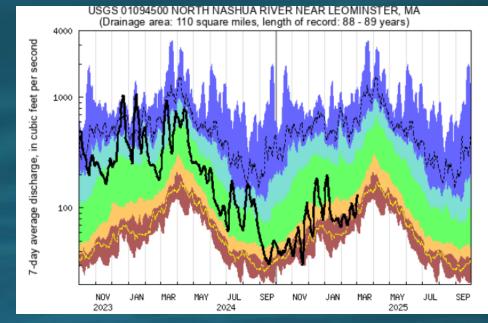
25-75

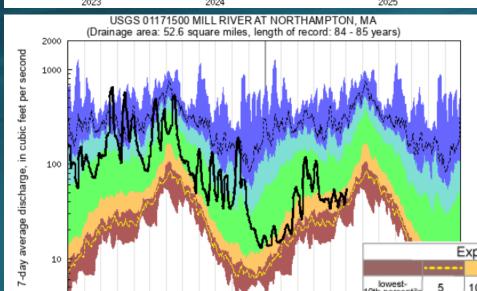
Normal

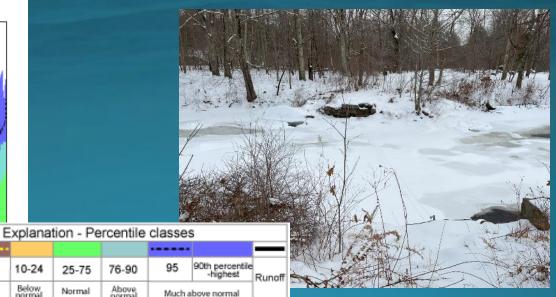
Much below Normal

76-90









01176000 Quaboag River at West Brimfield, MA

GW Conditions - End of Month – Cont. Wells Only



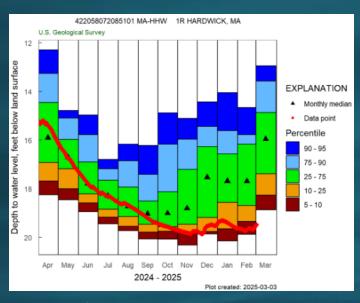




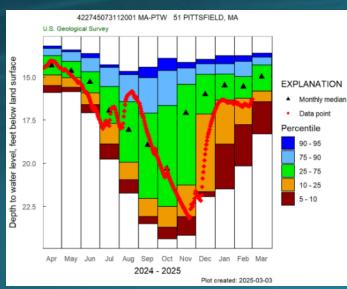




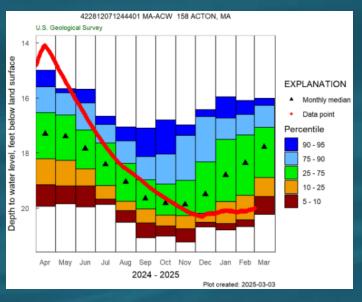
Groundwater Conditions – Selected Wells



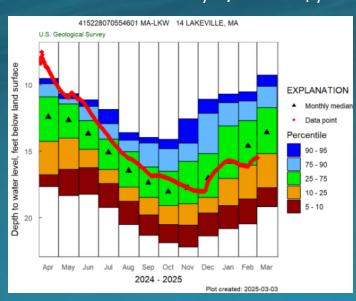
Period of Record: 60 yrs; Cont. 7 yrs



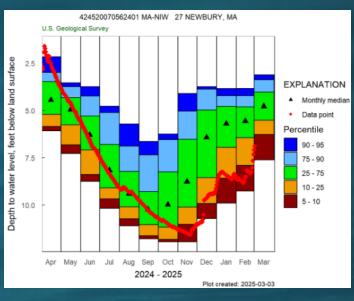
Period of Record: 61 yrs; Cont. 40 yrs



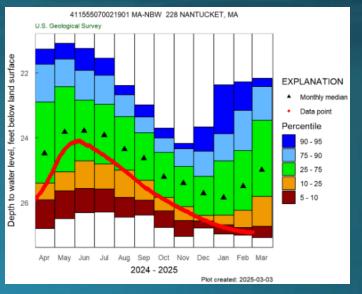
Period of Record: 60 yrs; Cont. 24 yrs



Period of Record: 60 yrs; Cont. 40 yrs



Period of Record: 64 yrs; Cont. 40 yrs



Period of Record: 49 yrs; Cont. 3 yrs

Summary of Conditions

- The presence of ice in the stream is preventing computations of streamflow at many gages.
- For gages with little to no ice, average February streamflow conditions were mainly below to much below normal across the State, except a few locations in the southeast region were normal.
- For those same gages, streamflow at the end of February were slightly higher than at the beginning of the month with the rainfall event at the end of the month.
- Groundwater-level conditions during February were mainly below or much below normal across the State, and similar to January.